

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/04958

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L1/18 H04L12/56 H04Q7/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>EP 1 156 617 A (MATSUSHITA ELECTRIC IND CO LTD) 21 November 2001 (2001-11-21)</p> <p>abstract</p> <p>column 1, line 1 - line 29</p> <p>column 1, line 52 -column 2, line 19</p> <p>column 2, line 47 -column 3, line 39</p> <p>column 4, line 48 - line 55</p> <p>column 5, line 34 -column 9, line 30</p> <p>figure 5</p> <p>---</p> <p>-/-</p>	1-4, 7-13, 15-17,19

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
29 January 2004	05/02/2004
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patenttaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Palacián Lisa, M

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB 03/04958

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 00 62467 A (NOKIA NETWORKS OY ;LONGONI FABIO (FI); AHMAVAARA KALLE (FI); MALKKA) 19 October 2000 (2000-10-19)</p> <p>abstract</p> <p>page 1, line 10 - line 35</p> <p>page 4, line 10 -page 5, line 18</p> <p>page 6, line 15 -page 7, line 2</p> <p>page 10, line 3 -page 12, line 6</p> <p>-----</p>	1,2,7,8, 10,11, 15,16,19
X	<p>WO 01 43331 A (BALL CARSTEN ;DEINZER ARNULF (DE); SIEMENS AG (DE)) 14 June 2001 (2001-06-14)</p> <p>abstract</p> <p>page 1, line 6 - line 15</p> <p>page 2, line 16 - line 25</p> <p>page 3, line 19 -page 5, line 14</p> <p>-----</p>	1,4,7,9, 10,13, 15,17,19
X	<p>WO 00 08796 A (ERICSSON TELEFON AB L M) 17 February 2000 (2000-02-17)</p> <p>abstract</p> <p>page 2, line 15 -page 3, line 21</p> <p>page 5, line 27 -page 6, line 15</p> <p>page 11, line 19 -page 13, line 20</p> <p>-----</p>	1,4,7,9, 10,13, 15,17,19
A	<p>DAS A ET AL: "A2IR: AN ASYNCHRONOUS AND ADAPTIVE HYBRID ARQ SCHEME FOR 3G EVOLUTION", VTC 2001 SPRING. IEEE VTS 53RD. VEHICULAR TECHNOLOGY CONFERENCE. RHODES, GREECE, MAY 6 - 9, 2001, IEEE VEHICULAR TECHNOLOGY CONFERENCE, NEW YORK, NY: IEEE, US, VOL. VOL. 1 OF 4. CONF. 53, PAGE(S) 628-632 XP001067036</p> <p>ISBN: 0-7803-6728-6</p> <p>abstract</p> <p>II. Asynchronous and Adaptive Hybrid ARQ</p> <p>-----</p>	1-19

INTERNATIONAL SEARCH REPORT

 International application No
 PCT/IB 03/04958

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 1156617	A 21-11-2001	EP CA CN DE EP JP JP US	1156617 A1 2348137 A1 1323123 A 60005150 D1 1337075 A2 3455195 B2 2001358699 A 2001055290 A1	21-11-2001 17-11-2001 21-11-2001 16-10-2003 20-08-2003 14-10-2003 26-12-2001 27-12-2001
WO 0062467	A 19-10-2000	FI FI AU CN EP WO	990812 A 991106 A 3968200 A 1304603 T 1088418 A1 0062467 A1	14-10-2000 14-10-2000 14-11-2000 18-07-2001 04-04-2001 19-10-2000
WO 0143331	A 14-06-2001	DE AU BR CN WO EP JP US	19959160 A1 2351301 A 0016169 A 1409907 T 0143331 A1 1236301 A1 2003524322 T 2003070129 A1	21-06-2001 18-06-2001 20-08-2002 09-04-2003 14-06-2001 04-09-2002 12-08-2003 10-04-2003
WO 0008796	A 17-02-2000	AU CA CN EP JP WO	5663199 A 2338696 A1 1312988 T 1103113 A1 2002522954 T 0008796 A1	28-02-2000 17-02-2000 12-09-2001 30-05-2001 23-07-2002 17-02-2000